



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D5762-8

Job Sheet 207379

POSITIVE  
RECALL

Part No: D5762-8

Job Qty: 10 pcs

Part Name: Upper Guide, RH



Part Weight: 0 lbs

Status: New

Job Created: 2/25/20

Job Tracking No:

Due Date: 3/6/20

Created By: Jennifer Renwick

Type: Stock

Description:

Note: URF 2020-525 Was PN: 78633-04 DWG D5762 REV.A IPP REV:A 19.12.19 NEW ISSUE JV VERF:DD

Ship Via:

POSITIVE RECALL

EFFECTIVE \_\_\_\_\_ AUTH \_\_\_\_\_

RELEASED \_\_\_\_\_ DATE \_\_\_\_\_

Priority: Medium

## Bill of Materials

## Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	HAAS 4 Axis	10 pcs	3/6/20		2.00	2.50	HAAS - 1		
							HAAS - 2		
							HAAS - 3		
							HAAS - 4		
110	QC 2	10 pcs	3/6/20		0.00	0.00	QC 2 - 1		DAS 86 9-89
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		

PRIORITY



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S266168



Part: D5762-8

Job No: 207379

Serial No/Batch: S266168

Revision: REV.A

Inspector:

Exp Date:

Instructions:

Date: 03/24/20

Plan 2/25/20 12:34 PM Dart Aerospace Ltd.

				QC 2 - 66	
				QC 2 - 64	
				QC 2 - 65	
				QC 2 - 5	
				QC 2 - 71	
				QC 2 - 73	
				QC 2 - 69	
				QC 2 - 76	
120	QC 8	10 pcs	3/6/20	0.00 0.00	QC 8 - 12
					QC 8 - 14
					QC 8 - 17
					QC 8 - 20
					QC 8 - 25
					QC 8 - 3
					QC 8 - 32
					QC 8 - 33
					QC 8 - 35
					QC 8 - 39
					QC 8 - 4
					QC 8 - 44
					QC 8 - 45
					QC 8 - 49
					QC 8 - 58
					QC 8 - 8
					QC 8 - 9
					QC 8 - 68
					QC 8 - 67
					QC 8 - 1 (A)
					QC 8 - 47
					QC 8 - 40
					QC 8 - 52
					QC 8 - 23
					QC 8 - 57
					QC 8 - 76
					QC 8 - 61
130	Packaging 3-1 - Stock - B4B	10 pcs	3/6/20	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B

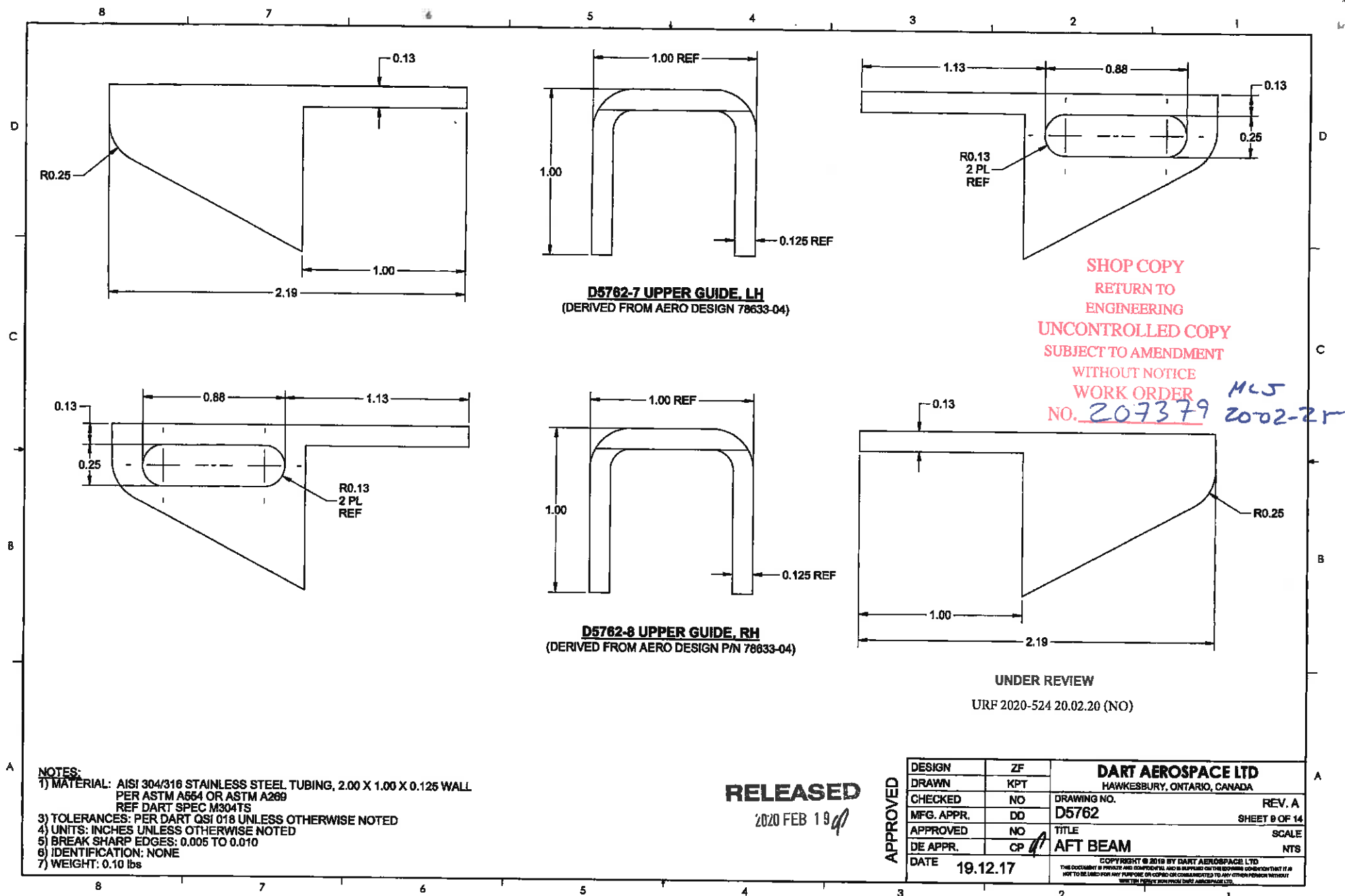
20/03/25

MAL

				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
				Packaging 3 - 37 - B4B	
140 QC 21 - SA	10 pcs	3/6/20	0.00 0.00	QC 21 - SA - 21	
				QC 21 - SA - 70	
				QC 21 - SA - 53	
MAR 26 2020					
Part Op 100 - 1-Machine as per folio FD157 FOLIO REV: <u>110</u> DWG REV: <u>A</u> 2-Debur Descriptions: 110 - QC2- Inspect parts off machine FAI/FAIB 120 - QC8- Inspect parts - second check 130 - Identify as per dwg & Stock Location: _____ 140 - QC21- Final Inspection - Work Order Release					
<b>Job BOM</b>					
<b>Part / Item</b>	<b>Component Name</b>	<b>Quantity</b>	<b>Operation</b>	<b>Container</b>	
M304TS2.000X1.000W.125	RectangleTubing, 2.000 X 1.000 X 0.125 Wall	1.9300 ft (.193 ea)	100-HAAS 4 Axis	5263538	
<b>Job Allocations</b>					
<b>Operation</b>	<b>Component Part</b>	<b>Required</b>	<b>Inventory</b>	<b>Allocated</b>	
100-HAAS 4 Axis	M304TS2.000X1.000W.125	2	0	0	
<b>Part Specifications</b>					
Specifications could not be found.					

Plex 2/25/20 12:34 PM Dart.lajeunesse.marie





Entered: \_\_\_\_\_ Date: 20/03/23



## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

Route update only

Job: <u>207379</u>		DISPOSITION		DEPARTMENT/PROCESS			
Part No. <u>05762-8</u>		Rework <input type="checkbox"/>	Skid-tube <input type="checkbox"/>	Cross tube <input type="checkbox"/>	Eng. (Non-AW) <input type="checkbox"/>	Engineering <input type="checkbox"/>	
		Scrap <input checked="" type="checkbox"/>	Machining <input checked="" type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input checked="" type="checkbox"/>	Water Jet <input type="checkbox"/>	
		Use-as-is <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Date: <u>2020-03-23</u>	Sequence #: <u>100</u>	QTY Affected: <u>4</u>				MRB (QSI042)	
Description Work Order Deviation		Disposition				PD 20-03-23	
<p>⇒ Part process is being developed It took <del>4</del> parts to get the process right.</p>		<p>Scrap and replace S/N: <u>5263538</u></p>				<p>Completed By BT 20-03-23 DAS 1</p> <p>Lead hand / Supervisor B.e 20-03-23</p> <p>QC / QA Coordinator PD 20-03-23</p>	
<p>Root Cause</p> <p>Operator <input type="checkbox"/></p> <p>Manufacturing Process <input type="checkbox"/></p> <p>Equip/Tooling <input type="checkbox"/></p> <p>Handling/Preservation <input type="checkbox"/></p> <p>Material <input type="checkbox"/></p> <p>Product Improvement <input type="checkbox"/></p> <p>Process Improvement <input checked="" type="checkbox"/></p> <p>Human Factors <input type="checkbox"/></p>		<p>FAULT CATEGORY</p> <p><input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Contamination <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Positioned Wrong</p> <p><input type="checkbox"/> Bending <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Folio/Program <input checked="" type="checkbox"/> Outside Tolerance</p> <p><input type="checkbox"/> Crushing <input type="checkbox"/> BOM/Route <input type="checkbox"/> Grain Direction <input type="checkbox"/> Drawing</p> <p><input type="checkbox"/> Cracks <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Weld <input type="checkbox"/> Finish</p> <p><input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/> Incomplete/Unclear Instructions <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Part Lost/Missing</p> <p><input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Drill Holes <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Misread</p> <p><input type="checkbox"/> Mislabeled <input type="checkbox"/> Fit/Function <input type="checkbox"/> Off-set/Set-up</p> <p>Other/Details:</p>					





Dart Aerospace Ltd.  
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Tel (613) 632-5200

# PURCHASE ORDER POHB045970



**Supplier:** ACI001-VC  
Acier Quelletie Inc.  
935 Boul. Du Havre  
Valleyfield  
QC  
J6S 5L1 Canada  
Phone: 800 687 4248  
Fax: 450 377 5696

**Attention:** Langevin, Melanie

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** POHB045970

**PO Date:** 2/27/20

**Due Date:** 3/13/20

**Purchase Order  
Revision:**

**Revision Date:**

**Issued By:** Lavoie, Chantal  
Phone: 613-623-5200 Ext: 242  
Fax: 613-632-1053  
clavoie@dartaero.com

**Via:** Ground

**Pymt Terms:** Net 60

**Freight Terms:**

**Special Comments:** quote no. SOU0243320

**E-MAILED**  
MAR 02 2020

Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M17-4-B1 250X2.000 ✓ M			17-4 SS Bar 1 250 x 2.00 MATERIAL: 17-4 PH SS BAR AS PER AMS 5604/5643 GRAIN MUST BE ALONG LENGHT OF BAR MIN. YIELD TENSILE STRENGTH = 100 KSI MIN. ULTIMATE TENSILE STRENGTH = 150 KSI receive ft	Firmed	-	3/13/20	12 ft	0 ft	12 ft	\$95.08333/ft	\$1,141.00
2		M304B0 375X03 000 ✓ M			M304 SS bar 375 x 3.00 : MATERIAL: AISI 304/316 SS. BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed	-	3/5/20	12 ft	0 ft	12 ft	\$11.335/ft	\$136.02
3		M304B0 188X0.188 ✓ LF			304 Bar, 0.188 X 0.188	Firmed	-	3/5/20	12 ft	0 ft	12 ft	\$1.29/ft	\$15.48



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# PURCHASE ORDER POHB045970



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4		M304B0.625X3.000			304 BAR 0.625" X 3.000" : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed -		3/13/20	12 ft	0 ft	12 ft	\$27.175833/ft	\$326.11
5		M304S16GA	D3494		304/316 Sheet 063 : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		3/13/20	192 sf	0 sf	192 sf	\$6.4020312/sf	\$1,229.19
6		M304S18GA			304/316 050 Sheet : MATERIAL: AISI 304/316 SS SHEET ANNEALED AS PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240	Firmed -		3/13/20	192 sf	0 sf	192 sf	\$5.3732812/sf	\$1,031.87
7		M304TS2.000X1.000W.065			Rectangle tubing 2.000 X 1.000" x 0.065 Wall MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A564 MILL FINISH OR ASTM A269 MILL FINISH	Firmed -		3/13/20	60 ft	0 ft	60 ft	\$4.25/ft	\$255.00





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**PURCHASE ORDER**  
**POHB045970**



Items													
Line Item	Job	Part	Drawing	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
8		M304TS2 000X1 000W 125			Rectangle Tubing, 2.000 X 1.000 X 0.125 Wall MATERIAL: AISI 304/316 SEAMLESS STAINLESS STEEL SQUARE TUBING AS PER ASTM A554 MILL FINISH OR ASTM A269 MILL FINISH	Firmed -		3/13/20	20 ft	0 ft	20 ft	\$7.0995/ft	\$141.99
9		M304R1.000			304 Round Bar 1.00 MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276 NOTE: AISI 303 NOT ACCEPTABLE receive ft	Firmed -		3/13/20	24 ft	0 ft	24 ft	\$8.16875/ft	\$196.05
10		M303B1 000X3 000			303 Bar 1" X 3" MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed -		3/17/20	12 ft	0 ft	12 ft	\$117.875/ft	\$1,414.50
11		M303H0.500			303 Hex Bar .500 MATERIAL: AISI 303 SS HEX BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE receive ft	Firmed -		3/13/20	12 ft	0 ft	12 ft	\$6.1308333/ft	\$73.57
Grand Total:												\$5,960.58	

#### Order Notes

##### Procurement Quality Clauses

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable), No Raw Metals from China or Soviet Bloc Countries. (DFARS)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program.

A049 supplier awareness.

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartonline.com](http://www.dartonline.com) for further explanation.

Plex 3/2/20 9:21 AM Dart.Lavole, Chantal

**ACIER QUELLETTE INC.**

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél: 450-377-4248 Mtl: 514-336-4248 Ext: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext: 866-456-4242

**DELIVERY - CLIENT**

CO00194479

<b>Billed to</b> DART AEROSPACE LTD  1270, ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7	<b>Shipped to</b>  1270, ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7  Att : CHANTAL LAVOIE Tél: 613-632-5200  <b>Delivery Route</b> 5	<b>Customer N°</b> <b>Date</b> <b>Delivery date</b> <b>Your order N°</b> <b>Processed by</b> <b>Salesman</b> <b>Carrier</b> <b>Credit Terme</b>	CLI0001056 2020/03/02 <b>2020/03/13</b> POHB045970 Josianne Bourdon JOSIANNE BOURDON QUELLETTE VALLEYFIELD Net 30 Days
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Product Description	Weight	Qty	UM	PCS NB			Internal Use Only				
				CHD	EXP	B/O	IN	I	S	C	CUT
<b>1 PLATE SS 1 1/4 17-4 PH RS</b> PSS-114174 10061 1 X 2" X 12' R/L POHB045970 LINE 1 HEAT : 92100404 AC34489-JO-11/03	106.45	2.00	PI2_\$CLB		1X 1594						
<b>2 FLAT SS304 3/8 X 3 (R)</b> FSS-383 3578 1 X 12' R/L POHB045970 LINE 2 HEAT : 1012679	45.96	12.00	PI_\$CLB		1X12'						
<b>3 SQUARE SS 3/16 SS304</b> CSS-316 8678 1 X 12' R/L POHB045970 LINE 3 HEAT : SR820 AC34596-CF-05/03	1.44	12.00	PI_\$CLB		1X12'						
<b>4 FLAT SS304 5/8 X 3</b> FSS-583 9221 1 X 12' R/L POHB045970 LINE 4 HEAT : S-1035 AC34489-JO-11/03	76.56	12.00	PI_\$CLB		1X12'						
<b>5 SHEET SS 16G SS304-2B (4 X 8) DART</b> FESSD-16G483042B 12463 6 X 4' X 8' POHB045970 LINE 5	504.00	192.00	PI2_\$CLB		1X16G4'						

RECEIVED

MAR 13 2020

DART AEROSPACE LTD.

# DELIVERY - CLIENT

CO00194479

Product Description	Qty	Weight	UN	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
HEAT: 55809 PACKAGING 6 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 6 X 4' X 8' POHB045970 LINE 6 HEAT: 856818 PACKAGING	403.20	192.00	UN PI2_\$CLB		6x4x8						
7 TUBE SS 304 180G 2 X 1 X .065 (R) TSS-21065 7115 3 X 20' R/L POHB045970 LINE 7 HEAT: ACH040562	76.20	60.00	UN PI_\$CPI		3x20'						
TRANSFERT ST-JEROME LE 04/03 8 TUBE SS 304 180G 2 X 1 X .120 (R) TSS-21120 7117 1 X 20' R/L POHB045970 LINE 8 HEAT: TBK111045	45.04	20.00	UN_\$UN PI_\$CPI		1x20'						
AC34490-SM-11/03 9 ROUND SS 304 1 (R) RSS-1 5747 2 X 12' R/L POHB045970 LINE 9 HEAT: 1910767	64.08	24.00	UN_\$UN PI_\$CLB		2x12"						
10 FLAT SS303 1 X 3 FSS-13303 9735 1 X 12' R/L POHB045970 LINE 10 HEAT: 260130	123.00	12.00	PI_\$CLB		1x12"						
11 HEXAGONE SS 1/2 SS303 XSS-12303-V 8748 1 X 12' R/L POHB045970 LINE 11 HEAT: E150111	8.63	12.00	PI_\$CLB		1x12"						

LINE 9

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304 TS 2.000X1.000 W.125

PO / BATCH NO.: POM3045920  
5263538

DATE: MAR 17 2020

MATERIAL CERT REC'D: YES  
QUANTITY RECEIVED: 20 FT  
QUANTITY INSPECTED: 20 FT  
QUANTITY REJECTED: —

THICKNESS ORDERED: 2.000X1.000 W.125  
THICKNESS RECEIVED: 2.000X1.000 W.125  
SHEET SIZE ORDERED: —  
SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<u>ASTM A 334</u>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	<u>HIT TRK-113043</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

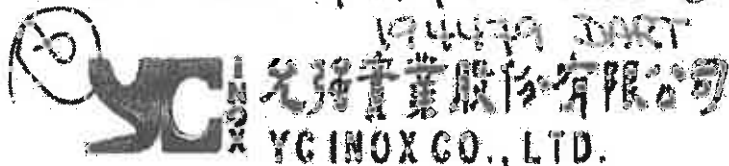
CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

*Testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u>	SIGNED OFF BY: <u>—</u>		
DATE: <u>MAR 17 2020</u>	DATE: <u>—</u>		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

000 100 7117 TSS-21120



# INSPECTION CERTIFICATE

EN 10204-3.1:2004

No 270, Sec. 4, Jungshan Rd., Shijou Shiang,  
Chang-Hwa, Taiwan, R.O.C.  
http://www.ycinox.com  
TEL : +886-4-8899666 FAX : +886-4-8899770

340910

56839



Product	STAINLESS STEEL WELDED TUBE	Customer No.	FCA027	Certificate No.	181206P0107
Specification	ASTM A554-13	Commercial Invoice No.	J18110183	Date of Issue	2018/12/06
Steel Grade	MT-304	PO No.	P010975	Order No.	EP18100025-1
Finish	GRIT 180	P.I.No.	PI 1810-008	Weight No.	C18120033

Item No.	Heat No.	Product Description	Quantity Pcs	Chemical Composition(%)								Tension Test			*01
		Dimension		C	Si	Mn	P	S	Ni	Cr	0.2% Y.S.	T.S.	E.L.	HR	
				X10 <sup>-3</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	X10 <sup>-3</sup>	X10 <sup>-3</sup>	X10 <sup>-2</sup>	X10 <sup>-2</sup>	MPa	%	HRB		
Specification			Min.												
			Max.	60	100	200	45	30	800	1800					
1	TBK071049	1"(25.4mm)x2 (50.8mm) x 0.085"(1.65mm) x 20' F T	25	16	46	153	33	4	800	1818	348	685	50	87	
2	TBK070288	1"(25.4mm)x2 (50.8mm) x 0.12"(3.05mm) x 20' F T	26	43	50	94	31	3	814	1815	289	658	55	84	
3	TBK113045	1"(25.4mm)x2 (50.8mm) x 0.12"(3.05mm) x 20' F T	25	24	48	90	33	3	801	1873	296	625	51	84	
4	TBK111087	2"(50.8mm)x3 (76.2mm) x 0.12"(3.05mm) x 20' F T	15	23	39	140	28	1	804	1827	311	665	54	83	
TOTAL:			90												

Remark	Note
Tensile test value references to raw material. Hardness test value references to raw material. Flaring Test : OK.	*01 - Hardness Test *Gauge Length: 50mm
Visual Inspection(Surface) and Dimension Check : OK	

Surveyor By	We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification. The material described above has been found free of radiation by raw material supplier.	1.ISO 9001:2015 (No.01 100 076299) 2.IED / AD2000 (No.01 202 TWINQ-05 0105) 3.ISO 14001:2004 (No.01 104 822 096385) 4.O:ISAS 18001:2007 (No.01 113 822 096385)	Manager of Quality Assurance Department
N/A			Darren Tsai

Heat: TBK113045

L10/B3  
M304TS 2.000 X 1.000 W.125

PURCHASE MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE/RECTANGULAR TUBING

FINISH: ASTM A269 MILI. FINISH  
OR ASTM A269 MILI. FINISH

PART NUMBER: M304TS A AAA X B BBB W TTT  
[WIDTH] [HEIGHT] [WALL]

PART NUMBER: EG (SQUARE TUBE) 0.75" X 0.75" X 0.049 WALL = M304TS0.750W.049  
EG (RECTANGULAR TUBE) 2.00" X 1.00" X 0.065 WALL = M304TS2.000X1.000W.065

WHERE: A AAA = WIDTH IN INCHES  
B BBB = HEIGHT IN INCHES (OPTIONAL, OMIT FOR SQUARE TUBE)  
TTT = WALL THICKNESS IN INCHES

RELEASED

2020 FEB 18  
BY 2020-521

APPROVED

REV	DESCRIPTION	BY	DATE
E	ADDED OPTION FOR RECTANGULAR TUBING (OPTIONAL HEIGHT IN PART NUMBER) REMOVED 'SQUARE' FROM TITLE AND PURCHASE MATERIAL	ZI	19.12.17
D	'SEAMLESS' REMOVED FROM PURCHASE MATERIAL SPECIFICATION (SEE NCP14-3616)	DS	14.10.20
C	'SEAMLESS' ADDED TO PURCHASE MATERIAL. ASTM A269 ADDED TO FINISH. REASON: SPEC ADDED FOR 1" TUBING	AJS	09.10.16
B	DRAWING MOVED TO 'B' SIZE BORDER, FINISH ADDED (SEE NCP 16-046 FOR DETAILS)	AJS	08.08.28
A	NEW PSLUT	DS	01.05.09
DESIGN	DS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA DRAWING NO <b>M304TS</b> TITLE <b>304/316 TUBING</b> COPYRIGHT © 2001 BY DART AEROSPACE LTD. ALL RIGHTS RESERVED. NO PART OF THIS PUBLICATION MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.	
DRAWN	ZF		
CHECKED	KPT		
MFG. APPR.	DD		
APPROVED	NO		
DATE	19.12.17	REV. E	SHEET 1 OF 1
		SCALE	NTS